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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/077,062	02/15/2002	Karl J. Wood	GB010035	1604
24737	7590	06/28/2005		
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
			EXAMINER REKSTAD, ERICK J	
			ART UNIT 2613	PAPER NUMBER

DATE MAILED: 06/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/077,062	Applicant(s) WOOD ET AL.	
	Examiner Erick Rekstad	Art Unit 2613	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 January 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-7,9-14 and 16-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-7,9-14 and 16-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| <p>1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____</p> | <p>4) <input type="checkbox"/> Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</p> <p>6) <input type="checkbox"/> Other: _____</p> |
|---|---|

DETAILED ACTION

This is a Final Rejection for Application No. 10/077,062 in response to the amendment filed on January 13, 2005 in which claims 1-3, 5-7, 9-14 and 16-18 are presented for examination.

Response to Arguments

Applicant's arguments with respect to claims 1-3, 5-7, 9-14 and 16-18 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 5-7, 9-14 and 16-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 6,760,020 to Uchiyama et al. in view of US Patent 5,714,997 to Anderson.

[claims 1, 5, 9, 10, 13, 16, 17]

Uchiyama teaches the apparatus for producing a stereoscopic image comprising display means for displaying an image and user control means for controlling stereoscopic parameters of the image displayed by the display means and the user control means being a single control. (See Figure 2 item 10, as well as

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column 11 lines 4-28, Fig. 16). Uchiyama further teaches the control means is a mouse (Col 11 Lines 23-24). Uchiyama does not teach the use of a single control means for controlling two stereoscopic parameters.

As shown in Figure 27, Anderson teaches the use of a three dimensional knob which allows a user to control the depth and position of the image (Col 35 Line 50 -Col 36 Line 7). It would have been obvious to one of ordinary skill in the art at the time of the invention to use the knob controller of Anderson with the system of Uchiyama as the knob is a preferred device for three dimensional movement.

[claims 2 and 3]

Uchiyama teaches the apparatus according to claim 1 further comprising image deflection means overlying said display means (See figure 3). The deflection means is a lenticular screen. (See figure 3 item 22)

[claims 6 and 7]

Apparatus according to claim 1, wherein said user control means is a single control. Wherein the control is an icon or remote control device. (See column 12 lines 54-55 as well as column 13 lines 10-13). Uchiyama teaches the use of graphical icons for control of the parameters (Col 11 Lines 27-28). And while Uchiyama does not specifically teach the use of a remote control he does teach that any user interface can be used to adjust the parameters, and that not all parameters need be adjusted. (See column 12 lines 40-54). Therefore it would have been obvious to one of ordinary skill in the art, to provide a remote control to adjust said display. Furthermore since the remote

control does not provide for an unexpected result over the control means of the prior art, it is simply a matter of design choice.

[Claim 11]

Apparatus according to claim 9 'wherein said apparatus is arranged So that when said user control means is at a minimum the perceived depth of the image is at a minimum and as said ' user control means moves from a minimum to a maximum the perceived depth of the image increases. (See figure 16 this is how the slide bars work.)

[Claim 12]

Apparatus according to claim 1, wherein said display means is a liquid crystal display. (See column 5 line 26)

[Claim 14]

A method according to claim 13, wherein said image is autostereoscopic. (See column 5 lines 19-25. An autostereoscopic display is by definition one that requires no glasses or goggles.)

[Claim 18]

A computer program product, for carrying out method claims 13. (See column 1 lines 4-1 1, VRML is a computer programming language.)

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Patent 6,445,814 to Iijima et al.


US Patent Application Publication 2002/0012460 to Kochi et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erick Rekstad whose telephone number is 571-272-7338. The examiner can normally be reached on 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on 571-272-7331. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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